

Contributors to this Issue

JOHN R. CARSON, B.S., Princeton, 1907; E.E., 1909; M.S., 1912; Research Department, Westinghouse Electric and Manufacturing Company, 1910-12; instructor of physics and electrical engineering, Princeton, 1912-14; American Telephone and Telegraph Company, Engineering Department, 1914-15; Patent Department, 1916-17; Engineering Department, 1918; Department of Development and Research, 1919-. Mr. Carson's work has been along theoretical lines and he has published several papers on theory of electric circuits and electric wave propagation.

JOHN DAVIDSON, JR., B.E., Tulane University, 1906; E.E., Cornell University, 1909. Testing Department, General Electric Company, 1906-07; Construction Department, Allis Chalmers Company, 1907-1908; Electrical Department, Carnegie Steel Company, 1909-11; American Telephone and Telegraph Company Engineering Department, 1911-19, and the Department of Development and Research, 1919-. Since 1911 Mr. Davidson has been engaged in equipment development work and is now engaged on toll switchboard and signaling arrangements.

P. G. EDWARDS, B.E.E., Ohio State University, 1924; Western Union Telegraph Company, Traffic Department, 1919-21, Plant Department, 1921-22; American Telephone and Telegraph Company, Long Lines Plant Department, 1922-24; Department of Development and Research, 1924-. Mr. Edwards has been engaged in the development of toll test board equipment and toll test board methods.

H. W. HERRINGTON, Washburn College, 1918-21; B.S. in E.E., University of Kansas, 1923; E.E., University of Kansas, 1926; American Telephone and Telegraph Company, Department of Development and Research, 1923-. Mr. Herrington has been engaged in the development of toll test board equipment and toll test board methods.

KARL K. DARROW, S.B., University of Chicago, 1911; University of Paris, 1911-12; University of Berlin, 1912; Ph.D., in physics and mathematics, University of Chicago, 1917; Engineering Department Western Electric Company, 1917-24; Bell Telephone Laboratories, Inc., 1925-. Mr. Darrow has been engaged largely in preparing studies and analyses of published research in various fields of physics.

I. B. CRANDALL, A.B., Wisconsin, 1909; A.M., Princeton, 1910; Ph.D., 1916; Professor of Physics and Chemistry, Chekiang Provincial College, 1911-12; Engineering Department, Western Electric Company, 1913-24; Bell Telephone Laboratories, Inc., 1925-. Mr. Crandall has published papers on infra-red spectroscopy, the condenser transmitter, thermophone, etc. More recently he has been associated with studies on the nature and analysis of speech which have been in progress in the Laboratory.

LLOYD ESPENSCHIED, Pratt Institute, 1909; United Wireless Telegraph Company as radio operator, summers, 1907-08; Telefunken Wireless Telegraph Company of America, assistant engineer, 1909-10; American Telephone and Telegraph Company, Engineering Department and Department of Development and Research, 1910-. Took part in long distance radio telephone experiments from Washington to Hawaii and Paris, 1915; since then his work has been connected with the development of radio and carrier systems.

WILLIAM J. SHACKELTON, B.S. in E.E., University of Michigan, 1909; Western Electric Company, Manufacturing and Installation Department, 1909-10; Engineering Department, 1910-24; Bell Telephone Laboratories, 1925-. Mr. Shackelton's principal activities have been in connection with the design of loading coils and the development of methods of high frequency measurement.